

(3) Ability of the crew members to perform each operational evolution, including to cope with emergencies such as fire and failure of control or monitoring systems.

(c) Equipment, provided to eliminate crew members in particular or to reduce crew members in general, that in the judgment of the OCMi proves unsafe or unreliable must be immediately replaced or repaired; otherwise, the OCMi will require added crew members to compensate for the equipment's inadequacy.

§ 130.420 Controls.

Each piece of machinery under automatic control must have an alternative manual means of control.

§ 130.430 Pilothouse control.

Each OSV must have, at the pilothouse, controls to start a fire pump, charge the fire main, and monitor the pressure in the fire main.

§ 130.440 Communications system.

(a) Each OSV must have a communications system to immediately summon a crew member to the machinery space wherever an alarm is required by § 130.460 of this subpart.

(b) The communications system must be either—

- (1) An alarm that—
 - (i) Is dedicated for this purpose;
 - (ii) Sounds in the crew accommodations and the normally manned spaces; and
 - (iii) Is operable from the pilothouse; or

(2) A telephone operated from the pilothouse that reaches the master's stateroom, engineer's stateroom, engine room, and crew accommodations that either—

- (i) Is a sound-powered telephone; or
- (ii) Gets its power from the emergency switchboard or from an independent battery continuously charged by its own charger.

§ 130.450 Machinery alarms.

(a) Each alarm required by § 130.460 of this subpart must be of the self-monitoring type that will both show visibly and sound audibly upon an opening or break in the sensing circuit.

(b) The visible alarm must show until it is manually acknowledged and the condition is corrected.

(c) The audible alarm must sound until it is manually silenced.

(d) No silenced alarm may prevent any other audible alarm from sounding.

(e) Each OSV must provide for testing each visible and audible alarm.

(f) Each OSV must provide battery power for the alarm required by § 130.460(a)(8) of this subpart.

§ 130.460 Placement of machinery alarms.

(a) Visible and audible alarms must be installed at the pilothouse to indicate the following:

- (1) Loss of power for propulsion control.
- (2) Loss of power to the steering motor or for control of the main steering gear.

(3) Engine-room fire.

(4) High bilge-level.

(5) Low lube-oil pressure for each main propulsion engine and each prime mover of a generator.

(6) For each main propulsion engine and each prime mover of a generator—

- (i) High lube-oil temperature; and
- (ii) High jacket-water temperature.

(7) For each reduction gear and each turbocharger with a pressurized oil system—

- (i) Low lube-oil pressure; and
- (ii) High lube-oil temperature.

(8) Loss of normal power for the alarms listed in paragraphs (a)(1) through (a)(7) of this section.

(b) Sensors for the high-bilge-level alarm required by paragraph (a)(4) of this section must be installed in—

(1) Each space below the deepest load waterline that contains pumps, motors, or electrical equipment; and

(2) The compartment that contains the rudder post.

(c) Centralized displays must be installed in the machinery spaces to allow rapid evaluation of each problem detected by the alarms required by paragraph (a) of this section. Equipment-mounted gages or meters are acceptable for this purpose, if they are grouped at a central site.

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§ 130.470 Fire alarms.

(a) Each fire detector and control unit must be of a type specifically approved by the Commandant (G-MSE).

(b) No fire-alarm circuit for the engine room may contain a fire detector for any other space.

(c) The number and placement of fire detectors must be approved by the OCMI.

[CGD 82-004, CGD 86-074, 60 FR 57655, Nov. 16, 1995, as amended by CGD 96-041, 61 FR 50731, Sept. 27, 1996]

§ 130.480 Test procedure and operations manual.

(a) A procedure for tests to be conducted on automated equipment by the operator and the Coast Guard must be submitted to comply with § 127.110 of this subchapter.

(b) The procedure for tests must—

(1) Be in a sequential-checkoff format;

(2) Include the required alarms, controls, and communications; and

(3) Set forth details of the tests.

(c) Details of the tests must specify status of equipment, functions necessary to complete the tests, and expected results.

(d) No tests may simulate conditions by misadjustments, artificial signals, or improper wiring.

(e) A detailed operations manual that describes the operation and indicates the location of each system installed to comply with this part must be submitted to comply with § 127.110 of this subchapter.

PART 131—OPERATIONS

Subpart A—Notice of Casualty and Records of Voyage

Sec.

131.110 Notice and records.

Subpart B—Markings on Vessels

131.210 Hulls.

131.220 Drafts.

131.230 Loadlines and decklines.

Subpart C—Preparations for Emergencies

131.310 List of crew members and offshore workers.

131.320 Safety orientation for offshore workers.

131.330 Emergency instructions.

131.340 Recommended placard for emergency instructions.

131.350 Station bill.

131.360 Responsibilities of licensed or certificated individuals.

Subpart D—Sufficiency and Supervision of Crew of Survival Craft

131.410 Certificate of proficiency.

131.420 Manning and supervision.

Subpart E—Tests, Drills, and Inspections

131.505 Steering gear, whistle, and means of communication.

131.510 Draft and loadline markings.

131.513 Verification of compliance with applicable stability requirements.

131.515 Periodic sanitary inspections.

131.520 Hatches and other openings.

131.525 Emergency lighting and power.

131.530 Abandon-ship training and drills.

131.535 Firefighting training and drills.

131.540 Operational readiness.

131.545 Maintenance in general.

131.550 Maintenance of falls.

131.555 Spare parts and repair equipment.

131.560 Weekly tests and inspections.

131.565 Monthly tests and inspections.

131.570 Quarterly inspections.

131.575 Yearly inspections and repair.

131.580 Servicing of inflatable liferafts, inflatable lifejackets, inflatable buoyant apparatus, and inflated rescue boats.

131.585 Periodic servicing of hydrostatic-release units.

131.590 Firefighting equipment.

Subpart F—Logs

131.610 Logbooks and records.

131.620 Matters that must be logged.

131.630 Entries in official logbooks.

Subpart G—Work Vests

131.710 Approved work vests of unicellular plastic foam.

131.720 Use.

131.730 Shipboard stowage.

131.740 Shipboard inspections.

Subpart H—Markings for Fire Equipment and Emergency Equipment

131.800 General.

131.805 General alarm bell, switch.

131.810 General alarm bell.

131.815 Alarm for fixed gaseous fire extinguishing system.

131.820 Branch lines of fire extinguishing system.

131.825 Controls of fire extinguishing system.

131.830 Fire-hose stations.

131.835 Portable fire extinguishers.